

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050923

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L27/24 H01L45/00 G11C11/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01L G11C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 789 758 A (REINBERG ET AL) 4 August 1998 (1998-08-04) column 4, line 59 - column 5, line 40; figure 2	1,2,8-15 4-7
X	US 5 933 365 A (KLERSY ET AL) 3 August 1999 (1999-08-03) column 5, line 45 - line 65 column 2, line 1 - line 8 column 6, line 14 - line 18 column 18, line 1 - line 11 figure 1a	1-3,8,9, 14,15 4-7
A	US 2003/142578 A1 (HSU SHENG TENG ET AL) 31 July 2003 (2003-07-31) paragraph [0019] - paragraph [0023]; figures 1,3	1-15
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

24 May 2005

Date of mailing of the international search report

03/06/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Gröger, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2005/050923

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/179633 A1 (KRIEGER JURI H ET AL) 25 September 2003 (2003-09-25) abstract; figures 1A,1B -----	1-15
A	US 5 912 839 A (OVSHINSKY ET AL) 15 June 1999 (1999-06-15) column 19, line 3 - line 34 abstract -----	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050923

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5789758	A	04-08-1998	US 5920788 A	06-07-1999
US 5933365	A	03-08-1999	AU 8148298 A	04-01-1999
			CA 2269857 A1	23-12-1998
			DE 69827598 D1	23-12-2004
			EP 0938731 A1	01-09-1999
			RU 2214009 C2	10-10-2003
			TW 421893 B	11-02-2001
			WO 9858385 A1	23-12-1998
US 2003142578	A1	31-07-2003	US 2003003674 A1	02-01-2003
			US 2003206481 A1	06-11-2003
			US 2004108528 A1	10-06-2004
			US 2004170048 A1	02-09-2004
			US 2005052942 A1	10-03-2005
			US 2005083757 A1	21-04-2005
			US 2005054138 A1	10-03-2005
			JP 2003068984 A	07-03-2003
			TW 571348 B	11-01-2004
			US 2003203585 A1	30-10-2003
			US 2003003675 A1	02-01-2003
US 2003179633	A1	25-09-2003	WO 03017282 A1	27-02-2003
			BR 0117103 A	10-08-2004
			CN 1543652 A	03-11-2004
			EP 1434232 A1	30-06-2004
			JP 2005500682 T	06-01-2005
			US 2003053350 A1	20-03-2003
			US 2003155602 A1	21-08-2003
			US 2003173612 A1	18-09-2003
			US 2003178667 A1	25-09-2003
			US 2004026714 A1	12-02-2004
			US 2004246768 A1	09-12-2004
			US 2004159835 A1	19-08-2004
			US 2004160801 A1	19-08-2004
US 5912839	A	15-06-1999	AU 4821999 A	10-01-2000
			EP 1097456 A1	09-05-2001
			WO 9967790 A1	29-12-1999
			US 6141241 A	31-10-2000